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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: ISAAC SAIAS

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SEP 05 2000

Application No.: 09/388,123

Group Art Unit: 2785

GROUP 2700

Filed: August 31, 1999

Examiner: TBD

For: A METHOD FOR PERFORMING
SOCIAL COMPUTATION

Attorney Docket No.: 9392-011

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Before examination of the merits, please enter the following amendments and consider the following remarks.

IN THE CLAIMS

Please cancel claims 2-6 and 10-13, without prejudice.

Please amend the following claims:

1. (Amended) A method for detecting at least one emergent concept among a plurality of sites comprising the steps of:
creating at least one adjacency matrix, A , said adjacency matrix having a plurality of entries, A_{ij} ,
wherein i and j are among said plurality of sites; $A_{ij} = r$ if said sites i, j are connected; $A_{ij} = 0$ otherwise; and r is a positive number that represents a strength of connection between sites;
computing [the] a transpose matrix, A^T , of said adjacency matrix A ; and
computing [the] n th [eigenvector] eigenvectors, $X^{(n)}$ and $Y^{(n)}$, of the matrix [product] products of said transpose matrix and said adjacency matrix, $A^T A$ and $A A^T$, respectively, for

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01 FC:103 72.00 CH
02 FC:102 468.00 CH

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